



# MATERIAL SAFETY DATA SHEET

## 1 IDENTIFICATION OF THE SUBSTANCE AND COMPANY

### Identification of the substance

Copper tube with a seamless LDPE covering (low density polyethylene)  
Brand Names:- KUTERLEX, KUTERLEX PLUS

### Identification of the Company

Yorkshire Copper Tube, East Lancashire Road, Kirkby, Liverpool, Merseyside,  
United Kingdom L33 7TU.

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## 2 HAZARDS IDENTIFICATION

Copper presents no hazards to health of humans in solid form. In high concentrations copper oxide dust is a mechanical irritant to eyes and upper respiratory tract, causing symptoms similar to "metal fume fever", which may last up to 24 hours. There are no known permanent effects. However, when used in accordance with manufacturer's instructions no particulates should be generated.

With LDPE, general handling, stamping, forming and most machining operations are non-hazardous. Heat treatment in air up to about 320°C is non-hazardous but higher temperatures may give rise to breakdown of the product, producing carbon dioxide/carbon monoxide gases, which are hazardous by inhalation.

## 3 COMPOSITION/INFORMATION

### Composition

COMPONENT	%	EINECS NO.	SYMBOL	R-PHRASES	S-PHRASES
Copper	98	231 - 159 - 6	N/A	N/A	N/A
LDPE	2	3901902000	N/A	N/A	16, 22

### Description

This product is LDPE covered copper tube.

## 4 FIRST AID MEASURES

- Inhalation : Extreme amounts of copper dust may be irritant to the upper respiratory tract. Remove to fresh air. Seek medical attention.
- Skin Contact : Non-irritant. Rinse affected area with water as a precaution.
- Eye Contact : Copper or LDPE dust - flush eyes with copious amounts of water. Seek medical attention.
- Ingestion : Drink plenty of water.

## 5 FIRE FIGHTING MEASURES

- Copper - non-flammable and has a melting point of 1083°C.
- LDPE - Water spray, CO<sub>2</sub>, Dry powder, Foam - use full face breathing apparatus because of danger of carbon monoxide gas.



11	<b><u>TOXICOLOGICAL INFORMATION</u></b>
	<b>EEC Substance/Preparation Toxicity Classification</b>
	<ul style="list-style-type: none"> <li>➤ Oral LD50 (Rat)</li> <li>➤ Dermal LD50 (Rabbit)</li> <li>➤ Inhalation LC50 (4 Hr. Rat)</li> <li>➤ Skin Irritation (Rabbit)</li> <li>➤ Eye Irritation (Rabbit)</li> <li>➤ Dermal Sensitisation</li> <li>➤ Inhalation Sensitisation</li> <li>➤ AMES Test</li> </ul>
	Not classified under any of the above.
	<b>Potential Health Effects</b>
	The product is entirely suitable for use in conjunction with potable (i.e. drinking) waters.
	<b>Hazardous Ingredients Toxicity Data</b>
	None.
12	<b><u>ECOLOGICAL INFORMATION</u></b>
	<ul style="list-style-type: none"> <li>• Copper in large quantities may cause pollution of the water course with subsequent deterioration of water quality which may cause harm to aquatic life forms. However, the human body requires 2.5 to 5.0 mg of copper per day to maintain health. Copper is an essential trace element in maintaining the general well-being of humans.</li> <li>• LDPE will slowly degrade with UV-light. The product is not recommended for use in environments exposed to sunlight or other sources of UV radiation.</li> </ul>
13	<b><u>DISPOSAL CONSIDERATIONS</u></b>
	<ul style="list-style-type: none"> <li>• Copper is a fully recyclable metal and therefore no waste should ensue from its use. Where scrap is generated, local non-ferrous scrap handlers should be contacted.</li> <li>• LDPE is recyclable and should be processed by specialist plastics recyclers.</li> </ul>
14	<b><u>TRANSPORT INFORMATION</u></b>
	Copper and LDPE are both non-regulated materials by land, sea or air.
15	<b><u>REGULATORY INFORMATION</u></b>
	<b>EEC Marking And Labelling</b>
	Not applicable.
16	<b><u>OTHER INFORMATION</u></b>
	None.